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	Approved For Release 2003/05/14 : CIA-RDP78B05171A000100020046-7	
	Attachment to	_
		2
•	Action Items	
	Para. 6	
	TSSG is to initiate clearance requests de-	
	TSSG is to initiate clearance requests for two or three keypceple.	2
	Para. 9	
	(DE)	*
	manage and direct the program with posed to researchers on ways to	2
	manage of direct the PI effort without making it so automated and mechanical solicit comments from them.	
	sclicit comments from them.	
• .		
	Para, 12	
	TSSS to investigate need con	
	TSSG to investigate need for maintenance facilities and people for High Precision Stereo Comparator (HPSC).	2
	THE to prepare proposal on how to select and train operators of HPSC.	
1	Vs TEG to comment on alternative proposal for location of HPSC (West Coast	į
1		i
,	TSSG and PSC to investigate problem of computer programming for HPSC.	į
		į
	Para. 25	
	TSSG to coordinate comments and again, and	-
	TSSG to coordinate comments and actions to follow-on work in cloud- screening, including determining best method for cloud-screening, determining which method has greatest gain, arranging for inter-fees but the	i
	which method has greatest gain, arranging for inter-face between target in-	:
	dexing device and data base information, and further study of style and appearance of output of the target indexer.	
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. : <sup>* .</sup>	SUBJEC	T: V	isits	to Va	rious	Organi:	zations	s Engag	ged in	R&D fo	or NP	IC.		
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		SUBJECT: Visits to Various Organizations Engaged in R&D for NPIC							
25X1 25X1		5. Officials were frank to confess that they were having trouble with film coatings, with quality controls, and with the development of acceptable chemical solutions. I gathered the impression they did not feel they could be expected to compete with high quality film makers such as In the final analysis, we are likely to have to consider making do with something less.							
25X1	•	6. They were very strong in their view that proper mix of dry silver materials with hardware (aperture card makers, visual display devices, and print makers) could have very high pay-off in the Center and we agreed that this is worth examination. In this connection, none of the people has T-MM clearance and we are taking immediate steps to provide such	25X						
25X1		clearances for two or three of the key people so that they, working with Center officers and personnel, can make recommendations for the proper mix of this equipment and its application in the Center.	25X						
		7. For our part, we impressed uponmanagement our own high hopes for dry processing as a replacement for wet processing so that we can lessen silver consumption, gain additional floor space in the building, and dispense with the disadvantages of a wet process. We would like to have the dry process as a means to make quick prints for PI purposes and for publications as well. We mentioned the growing amount of imagery being received by the Center. We noted that we are just one of many PI units and the wide application of	25X						
		such a system could have major business implications for We repeated once again that our main objective is to have this dry system at high resolutions and reasonable speed by the end of 1970 or early 1971. We said we could not buy a pig in the poke, that we would have to be assured that our quality requirements were met. The precision and quality of the imagery is growing and reproduction facilities must be of similar quality. We can't allow degradation. We also made the point that a dry process is so important to us that we are watching with interest not only work but the work	25X 25X						
		being done elsewhere in American industry. We hope to have pay-off from at least one of the several horses in this race.							
25X1		S. We next visited and had a full exchange for the better part of a morning on the status of 1968 and 1969 imagery interpretation research programs. Much of this had to do with the interesting studies which had been carried out in an effort to learn more about what causes errors in our precise measurement work. We know a good deal about the technical errors caused by the attitude of the collecting vehicle and the measurement machinery we use, but we have been attempting to learn more about the human factors involved in measurement errors. Studies to date have permitted us to conclude	•						
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	as a general rule that we can rely to an increasing degree on the PI's to perform measurements rather than photogrammetrists, and we have been able to determine that of two comparators we use one is far preferable and the preferred model is cheaper. Thus, we have put a stop to purchases of the more expensive version.	•
	9. We had brief but intensive discussions on effective ways to manage and direct the PI effort without making it so automated and mechanical as to destroy individual initiative. We posed several questions to the researchers and expect to have their advice and counsel on these matters in the near future.	25X1
25X1 25X1 25X1 25X1	is anxious to be able to compete with other industries for real-time reconnaissance tasks and to this end has spent about in Company funds to do research on the likely needs of a real-time exploitation system is already engaged in some phase of the collection cycle and is performing some work for They showed us their exploitation-related work to date. It is just beginning and we will be kept informed of their findings. The effort could be of eventual use to the Center in	25X1
	the course of Center-sponsored real-time R&D scheduled for FY 71 and possibly FY 70. This is their own work and unrelated to on-going research on our behalf.	25X1
25X1	ll. We visited and found everything proceeding nicely in the development of the stereo comparator. The critical item in this development is the optical system being done at under sub-contract. The	25X1
<b>⊉5※</b> 1 25×1	contract monitor visits every 60 days. His next visit will be in late June. The comparator is currently programmed for delivery to the Center sometime in the late Spring of '70. It would seem prudent to count on some further slippage, but it does appearit will be available to us well in advance of the There are some problem areas which we need to give internal Center study to in the coming weeks.	1
25X1 25X1	12. First, there is the question of maintenance. estimates that this machine will have to be down for 36 hours every few months for a rather considerable overhaul. With the complexity of the gear this is going to require maintenance facilities and people. We will no doubt have to contract out with someone, possibly to accomplish this. There is the related problem of providing day-to-day maintenance. Stockpiling spare parts could prove to be a fairly sizeable investment and this needs to be costed. Second, this is going to be a device of very high quality with extremely large capacity. It is doubtful that we will designate more than two or three NPIC officers to operate the device. They should be picked with some care, using whatever findings apply as a result of our studies. Third, there remains the	25X1
	problem (which I think is a big one) of shipping the device to us. It will  Approved For Release 2003/05/14: CIA-RDP78B05171A000100020046-7	25X1

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	SUBJECT: Visits to Various Organizations Engaged in R&D for NPIC	
1	first be assembled at and checked out. Then it will have to be shipped cross-country to It will be large in structure and extremely installation in a vibration-free environment). We will want to have the also consider the possibility of having the comparator remain in place at area and do his work tied on-line to a computer in For a number.	2
	examined. Fourth, there is the problem of providing the computer programming have to be done by contract. The Center must make its decision on this same	2
1	This is the effort to find a way automatically to determine what targets have been covered during the course of a given reconnaissance mission as compared with those targets that are obscured by clouds or otherwise missed. There are two methods under research. One is the use of optical devices to accomplish the optical system is outperforming the electronic procedures. At the moment three months the two efforts will be pursued and at the end of that time we possibility looks best now, the electronic solution may prove in the long run	
1	14. We had ample opportunity to emphasize to the officers, including the President of the the highly dependent we are on the success of this development. It seemed clear following it with some considerable interest.	2
·	there are two ways to do cloud-screening. One is to screen target by target, the other is to screen against widespread chunks of geographic areas. In the both, we will want the one that has the greatest gain for us. Second, conbest inter-face between a target indexing device and date by	
•	best inter-face between a target indexing device and data base information such as the mission ephemeris. Thought must be given, too, to the style and appearance of the output or reporting of the target indexer.	
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